

## The Contents of Case 10582756

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Qnum	Query	DB Name	Thesaurus	Operator	Plural
Q1	hydroformylat\$ or oxo reaction multiple hydroformylation reactors or at least two hydroformylation reactors or at	PGPB,USPT,USOC,EPAB,JPAB,DWPI	None	ADJ	YES
Q2	least two reactors or at least three hydroformylation reactors or two reactors or three reactors or multiple reactors	PGPB,USPT,USOC,EPAB,JPAB,DWPI	None	ADJ	YES
Q3	Q1 and Q2	PGPB,USPT,USOC,EPAB,JPAB,DWPI	None	ADJ	YES
Q4	Q3 and (recycled or recycling or recycle process)	PGPB,USPT,USOC,EPAB,JPAB,DWPI	None	ADJ	YES
Q5	Q4 and hydrogenat\$ Q5 and (separator or gas- liquid separation or liquid-liquid separation or high pressure separator)	PGPB,USPT,USOC,EPAB,JPAB,DWPI	None	ADJ	YES
Q6	Q6 and (offgas or recycle gas) Q7 and (partial pressure or partial carbon monoxide pressure)	PGPB,USPT,USOC,EPAB,JPAB,DWPI	None	ADJ	YES
Q7	multiple hydroformylation reactors or at least two hydroformylation reactors or at least two reactors or at least three hydroformylation reactors or two	PGPB	None	ADJ	YES
Q8					
Q9					

	reactors or three reactors or multiple reactors or plurality of reactors or plurality of hydroformylation reactors.CLM. hydroformylat\$				
Q10	or oxo reaction.CLM.	PGPB	None	ADJ	YES
Q11	Q9 anda Q10	PGPB	None	ADJ	YES
Q12	Q9 and Q10	PGPB	None	ADJ	YES
	separator or gas- liquid separation or liquid-liquid separation or high pressure separator.CLM.				
Q13		PGPB	None	ADJ	YES
Q14	Q12 and Q13	PGPB	None	ADJ	YES
Q15	Q14 and (offgas or recycle gas.CLM.)	PGPB	None	ADJ	YES

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**Case Operation**

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